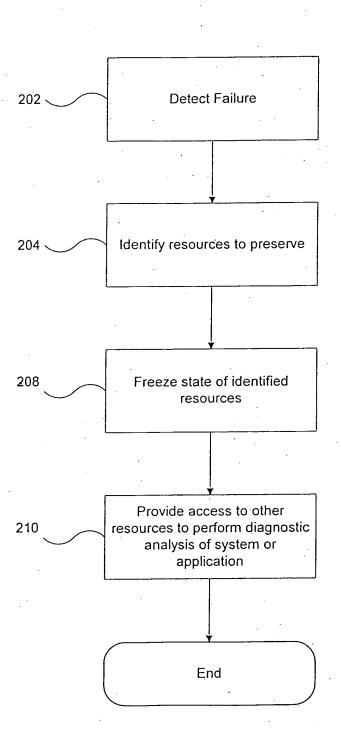




Fig. 2





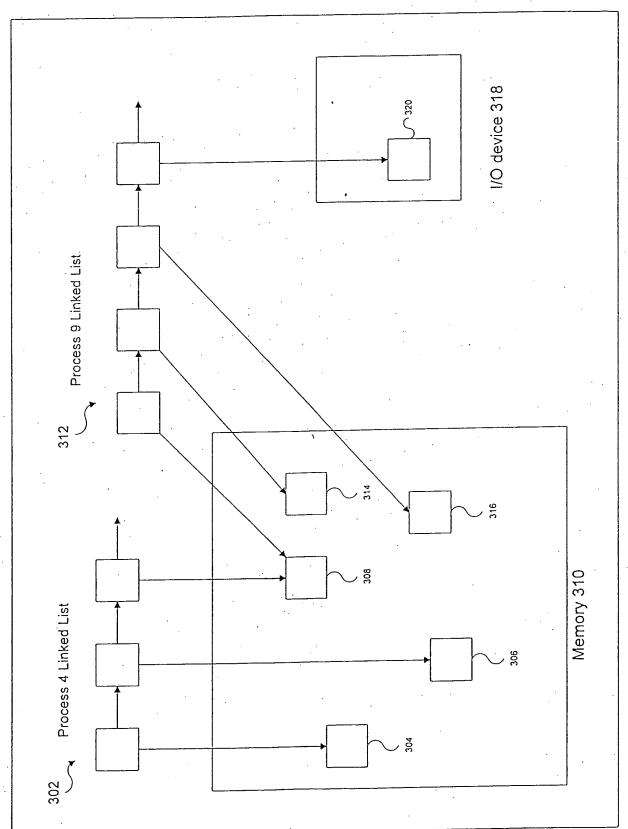


Fig. 3



	Process Type	Process IDs		
402	OS Processes	Process 0, Process 1 Process 10		
404	Database Application Processes	Process 2, Process 3, Process 4, Process 7, Process 8		
406	Oracle Database Application Processes	Process 2, Process 3, Process 4		
408	Acme Database Application Processes	Process 7, Process 8		
	I/O Application Processes	Process 9, Process 11		
	Communications Application Processes	Process 6, Process 12		
	·	•		

400

Fig. 4



	<u>Failure Type</u>	Processes to suspend
502	Database application Failure	Database application processes
504	Database application failure with DB I/O operation failure	Database application processes; I/O processes
	Failure type 3	Communications processes
	Failure type 4	Operating system processes
	•	• •
	•	•

500

Fig. 5



Resources to state freeze	Resources associated with database application processes	Resources associated with database application processes; resources associated with I/O processes	Resources associated with communications processes	Resources associated with operating system processes	•
Processes to suspend	Database application processes	Database application processes; I/O processes	Communications processes	Operating system processes	
Failure Type	Database application Failure	Database application failure with DB I/O operation failure	Failure type 3	Failure type 4	•



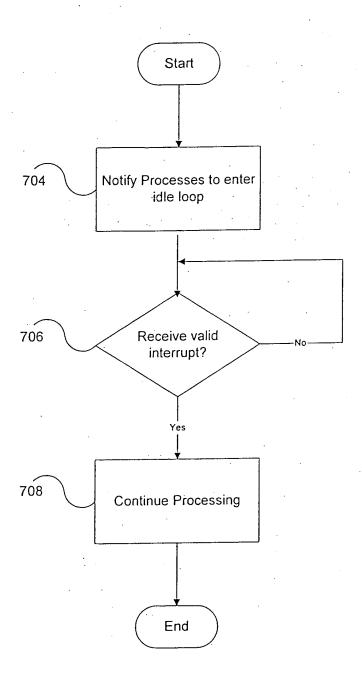
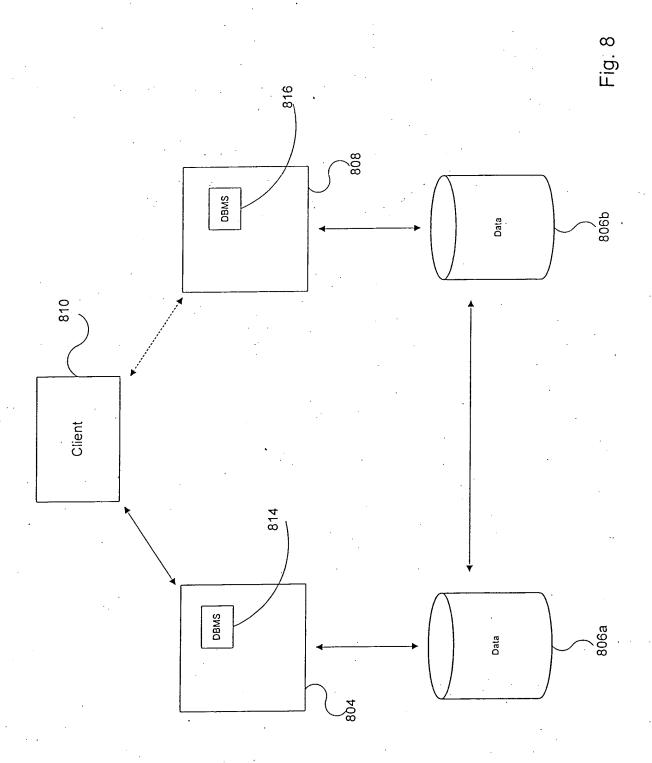
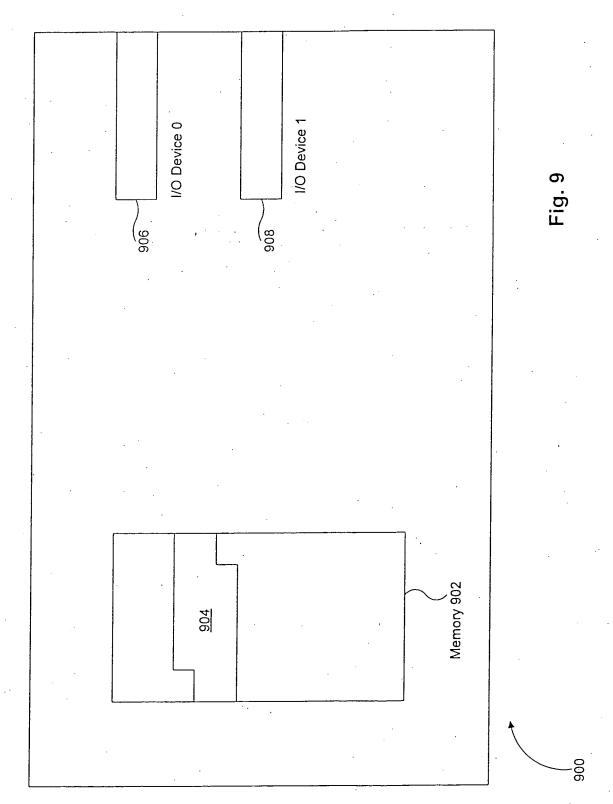


Fig. 7











LOCAL ' NETWORK 1 1022 INTERNET HOST ISP SERVER 1030 NETWORK LINK / STORAGE DEVICE 1010 1000 1002 COMMUNICATION INTERFACE 1018 1008 RPM BUS 1004 PROCESSOR MAIN MEMORY Fig. 10 CURSOR CONTROL 1016 INPUT DEVICE 1014 1012 DISPLAY



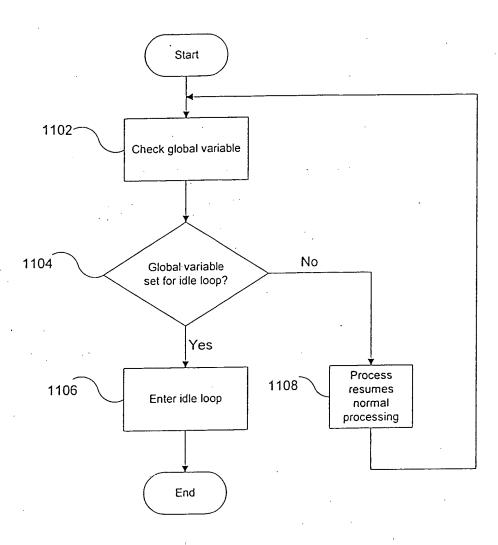


Fig. 11